

INTERSTATE 10

**INA ROAD TRAFFIC INTERCHANGE TO
RUTHRAUFF ROAD TI STUDY**

MARCH 10, 2011

PUBLIC MEETING

Design Concept Report
and Environmental Assessment

ADOT Project No.: 010 PM 247.0 H7583 0IL
Federal Aid No.: 010 - D(BCL)A





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Welcome and Introductions

Linda Ritter

Senior Community Relations Officer, ADOT

- Key project team members
 - Federal Highway Administration
 - Regional Transportation Authority
 - Arizona Department of Transportation



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Agenda

- Open house: visit information stations
- Presentation
 - Welcome and introductions
 - Study description and overview
 - Anticipated schedule
 - Alternatives
- General question and comment period (Q&C)
- Open house



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ADOT Tucson District Perspective

Todd Emery, P.E.

Tucson District Engineer, ADOT

- Project importance
- Recognition of project partners



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Public Involvement Importance

Milestones

- ✓ Public meeting – fall 2009
- ✓ Government officials briefings – summer 2010
- ✓ Property owner canvassing – fall 2010
- ✓ Property owner briefings – fall 2010
- Public meeting – March 2011
- Tentative public hearing – fall/winter 2011



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Project Overview

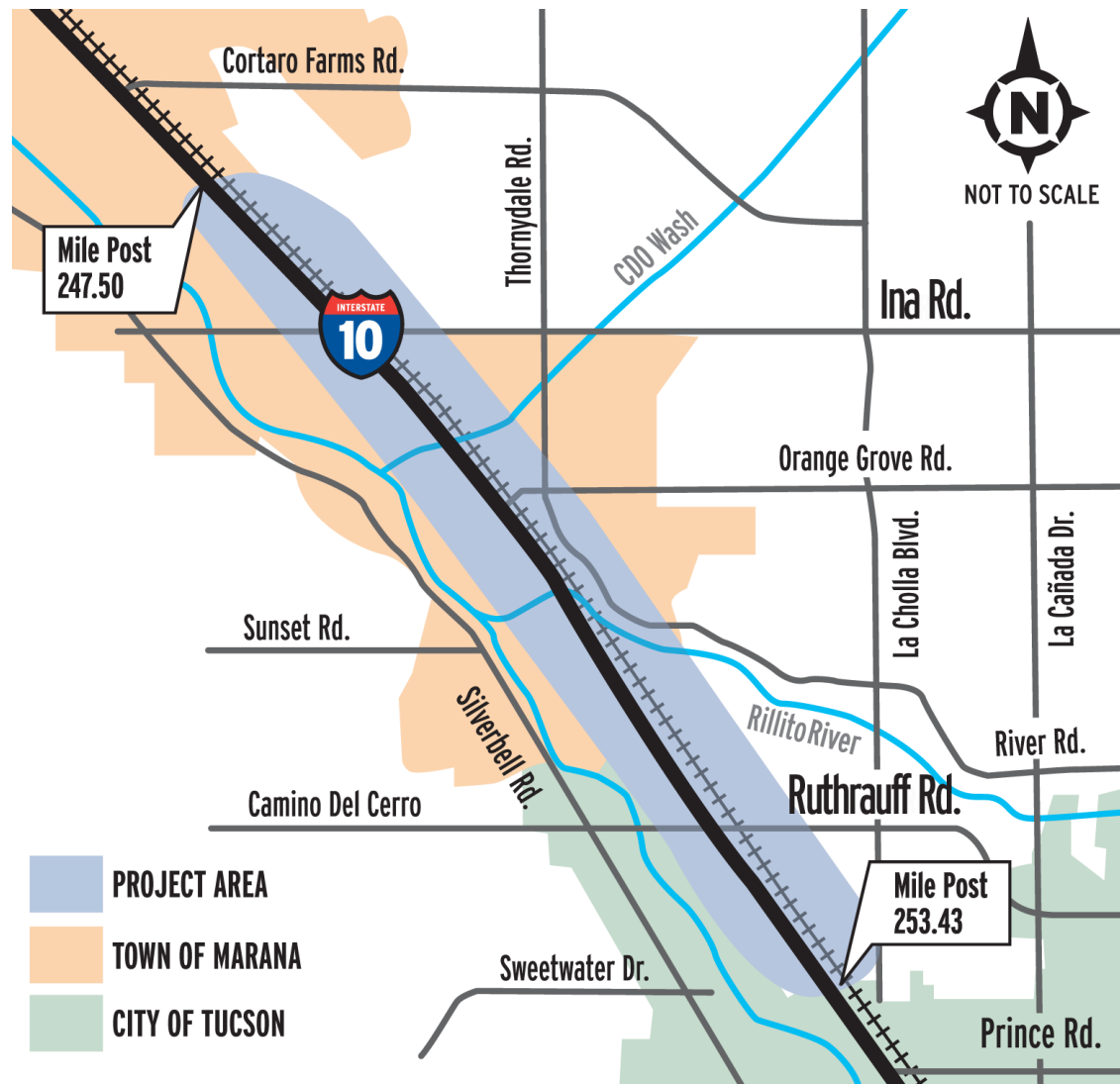
Mike Bertram, P.E.

Consultant Project Manager, HDR



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Project Study Area





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Study Description and Overview

Study includes:

- Traffic Report
- Design Concept Report
- Environmental Assessment
- Project Implementation Plan





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Project Purpose and Need

- Improve traffic capacity through 2040
- Improve safety, traffic movement and access
- Meet current design standards
- Implement or accommodate applicable components of the voter-approved 2006 Regional Transportation Authority Plan



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Study Description and Overview

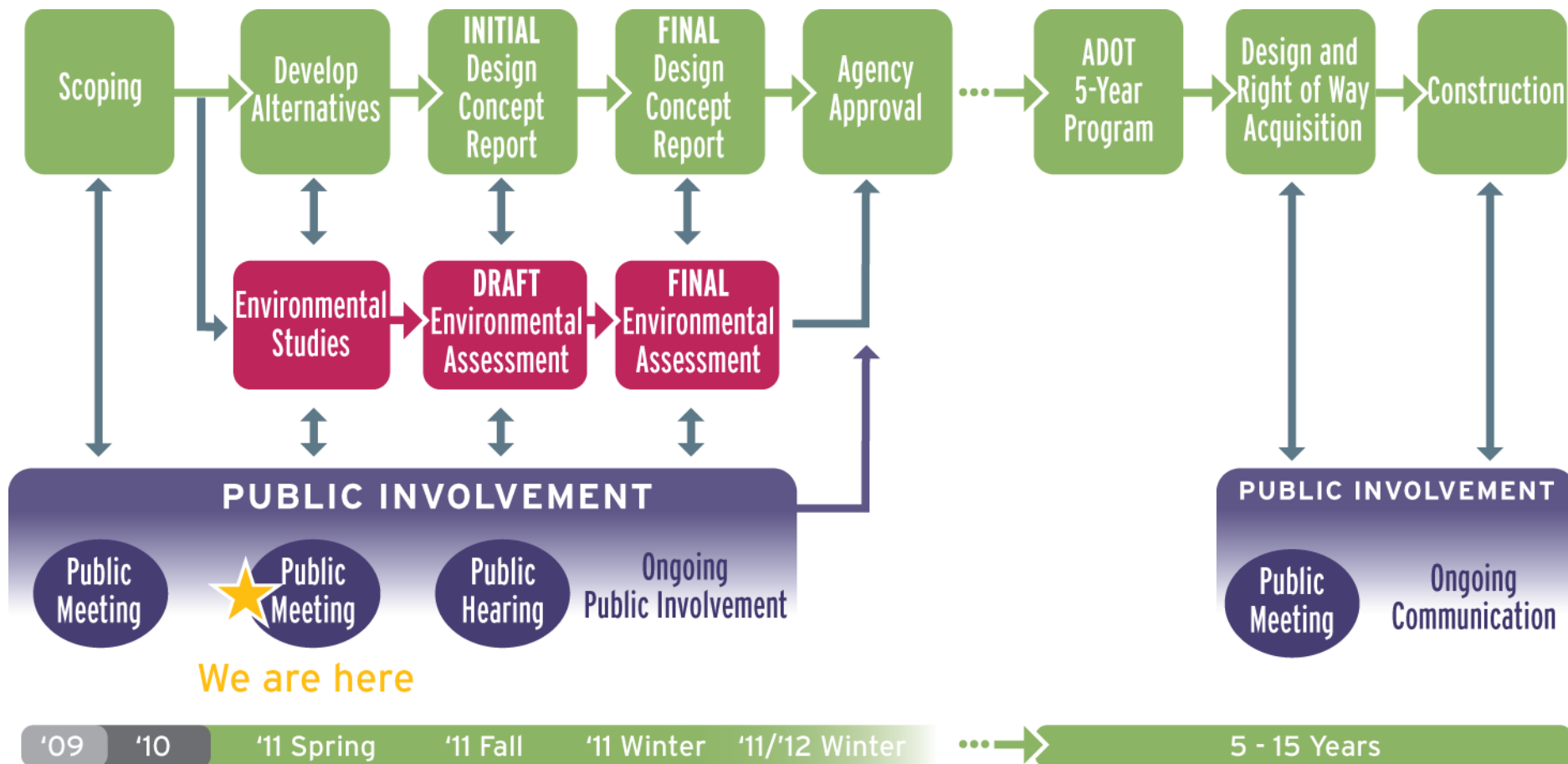
Anticipated improvements include:

- Widening and reconstruction of I-10
- Reconstruction of interchanges and crossroads, including new bridges to separate the crossroads and the Union Pacific Railroad at Ina, Sunset and Ruthrauff roads
- Replacement of I-10 bridges over Orange Grove Road, Cañada Del Oro Wash and Rillito River



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ADOT Project Development Process





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Anticipated Study Schedule

- ✓ Public meeting – November 2009
- ✓ Government officials briefings – summer 2010
- ✓ Property owner briefings – fall 2010
- Draft environmental reports – spring 2011
- Draft engineering reports – spring 2011
- Public meeting – spring 2011



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Anticipated Study Schedule (cont'd)

- Draft Implementation Plan – summer 2011
- Initial Design Concept Report – fall/winter 2011
- Draft Environmental Assessment – fall/winter 2011
- Public hearing – fall/winter 2011
- Final Design Concept Report/Environmental Assessment – winter 2011/2012
- Next steps



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Traffic Report / Alternatives Analysis

- Existing conditions
- No-build
- Build alternatives





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Alternatives Development

- Alternative corridors
- Alternative crossroad grade separations with railroad
- Alternative traffic interchange configurations



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Alternative Crossroad Grade Separation with Railroad and I-10

- Crossroad under I-10 and railroad
- Railroad under crossroads
- Railroad over the crossroads
- Crossroads over I-10 and railroad



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Alternative Traffic Interchange Configurations

- Roundabout traffic interchange
- Diverging diamond interchange
- Single point urban interchange
- Tight diamond interchange



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Preliminary Build Alternative

- Five lanes in each direction on I-10 with auxiliary lanes between the traffic interchanges
- Reconstructed traffic interchanges at Ina, Orange Grove, Sunset and Ruthrauff roads
- Sunset Road Connection: Silverbell Road to River Road
 - I-10 interchange, ADOT
 - Crossroad, Pima County
- Two-lane exit and entrance ramps
- Crossroads grade separated from the railroad



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Preliminary Build Alternative

I-10 at Ruthrauff Road interchange looking south toward Tucson





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Preliminary Build Alternative

I-10 at Ruthrauff Road interchange looking north toward Marana





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Preliminary Build Alternative

I-10 westbound exit ramp at Ruthrauff Road looking north toward Marana





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No Build Alternative

- Evaluates impacts of making none of the proposed improvements associated with the build alternative
- Would not meet the project's defined purpose and need
 - Would not meet traffic demand
 - Would not improve safety, traffic movement or access
 - Would not construct crossroad bridges over the railroad
 - Would not implement components of the regional traffic plan



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Environmental Overview

Christine Donoghue

Consultant Senior

Environmental Planner, HDR



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Methods of Environmental Evaluation

Federal funding

- National Environmental Policy Act (NEPA)
environmental assessment based on preliminary design

Environmental assessment process includes:

- Project purpose and need
- Project alternatives
- Two public meetings
(November 2009 and March 2011)



Methods of Environmental Evaluation

Environmental Assessment process (cont.)

- Assess existing conditions
- Determine effects and impacts
- Draft Environmental Assessment
- Public hearing
- Final Environmental Assessment/Conclusions –
significant impacts or
Finding of No Significant Impact



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Section 4(f) of the U.S. Department of Transportation Act

- **A transportation project may use protected land (historic properties, publicly owned parks and schools, wildlife and waterfowl refuges, and recreational areas) only if:**
 - There is no prudent and feasible alternative to using that land
 - The project includes all possible planning to minimize harm to the protected land



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Section 4(f) of the U.S. Department of Transportation Act

- A “*de minimis*” impact can be determined locally. Additionally, it is not necessary to demonstrate there are no feasible and prudent alternatives.



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Section 4(f) of the U.S. Department of Transportation Act

- A “*de minimis*” impact can be determined for parks, recreation areas, wildlife and waterfowl refuges if the project will not adversely affect the features, attributes, or activities qualifying the property for protection under Section 4(f)
- A “*de minimis*” impact can be determined for historic properties if there is a finding of “no historic properties affected” or “no adverse effect” in accordance with the regulations that implement Section 106 of the National Historic Preservation Act (NHPA)



Section 4(f) Impacts

- **Mike Jacobs Sports Park**
 - Permanent impacts to park frontage:
landscaping, parking, tower, ramada and storage
(less than 2 acres)
 - Temporary impacts during construction



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Section 4(f) Impacts

- **Pima County Trails**

- Design would accommodate existing and future trail improvements at Cañada del Oro Wash and Rillito River
- Trails would be rerouted within the wash during construction
- A temporary trail along the wastewater connection pipe access road is being developed by Pima County



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Other Environmental Issues

- Biology
- Cultural resources
- Traffic noise
- Air quality
- Hazardous materials
- Clean Water Act
(404, etc.)
- Protected populations
(low income, minority)
- Socioeconomics, detours
- Property acquisitions/
relocations



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Access Considerations

- Ina Road east of I-10
- Ina Road west of I-10
- Ruthrauff Road east of I-10
- El Camino Del Cerro west of I-10



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Access Options Development Considerations

- Identification of appropriate access management guidelines
- Local jurisdiction perspective, preferences and initial input
- Emergency response accessibility
- Assessment of traffic operations and management
- Minimize land use impacts
 - Proximity impacts to residents (cut-through traffic, etc.)
 - Direct impacts to properties (acquisition)



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Access Options Development Process

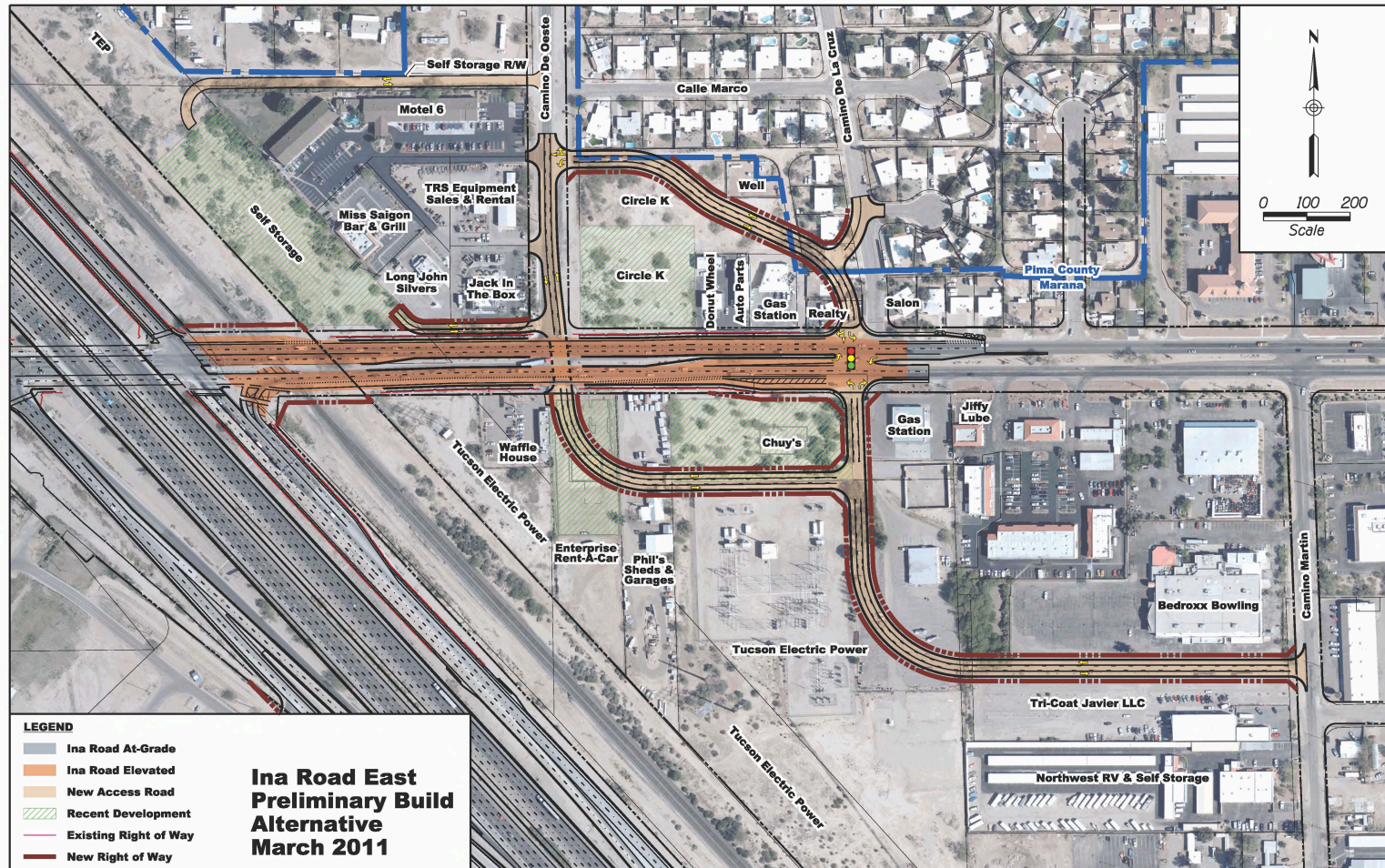
- Vetting of options with project stakeholders
- Presentation to FHWA
- Presentation to agency officials - Town of Marana, Pima County, City of Tucson, RTA
- Presentation to adjacent property owners
- Presentation to public



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Access Considerations

East of I-10 at Ina Road

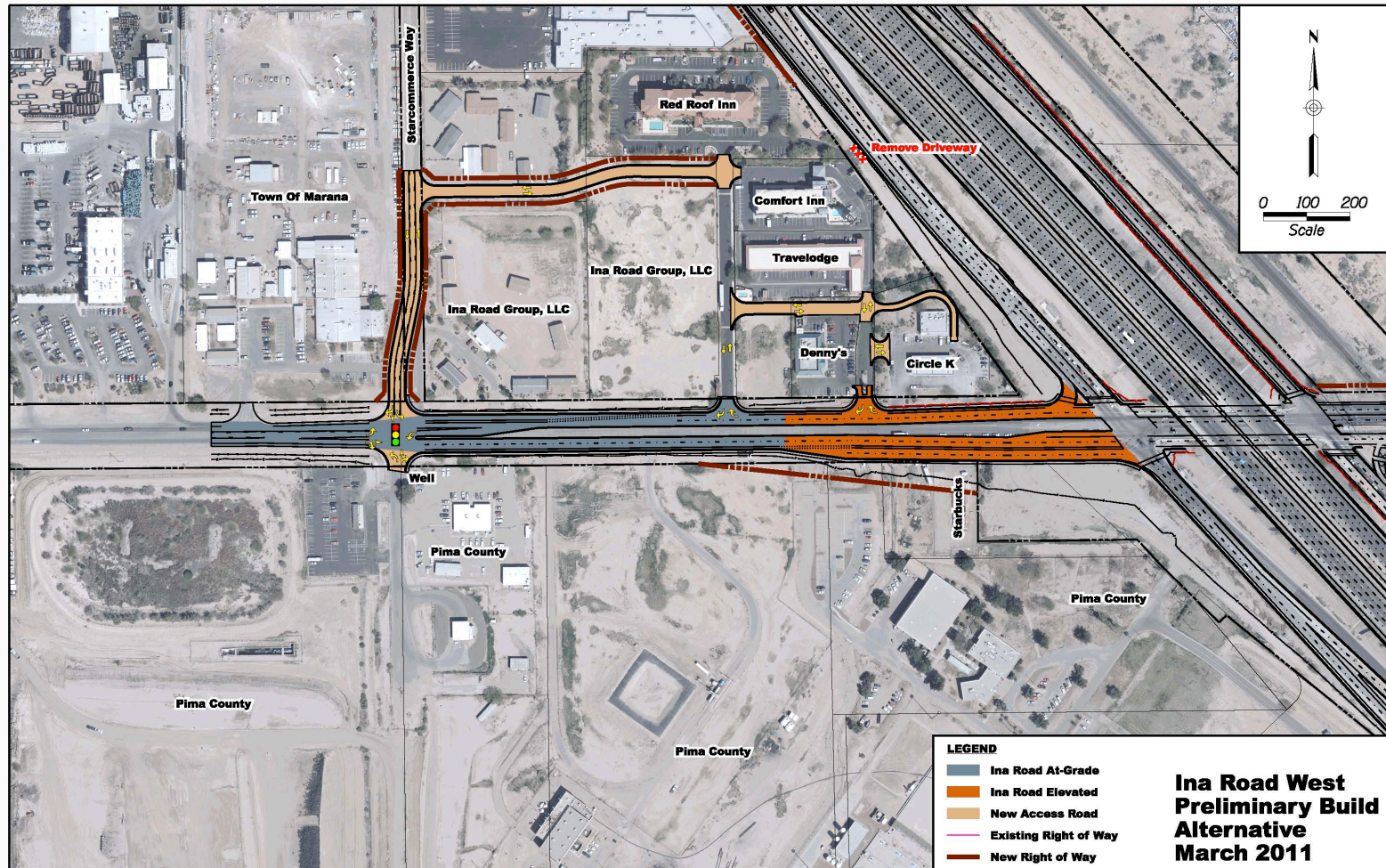




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Access Considerations

West of I-10 at Ina Road

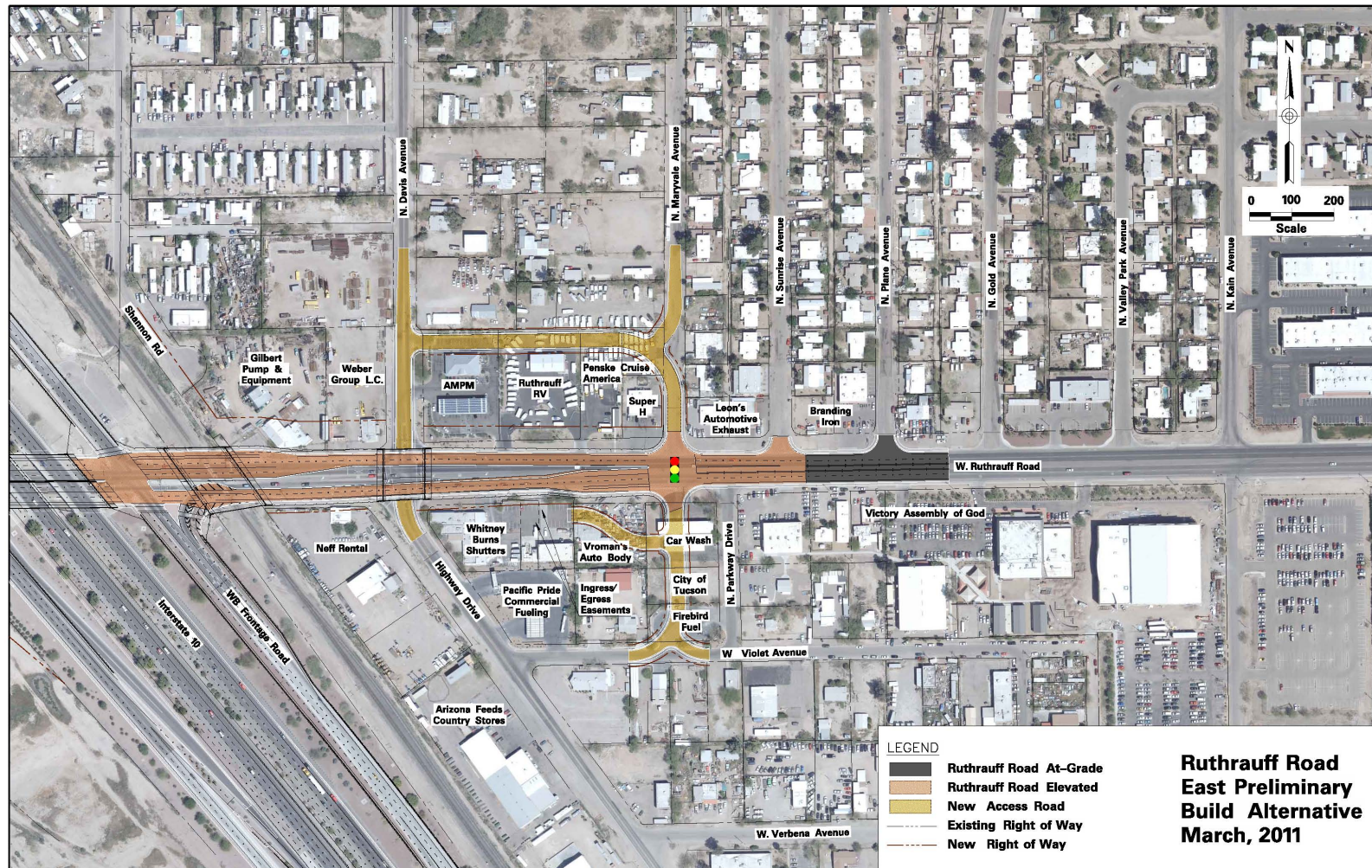




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Access Considerations

East of I-10 at Ruthrauff Road

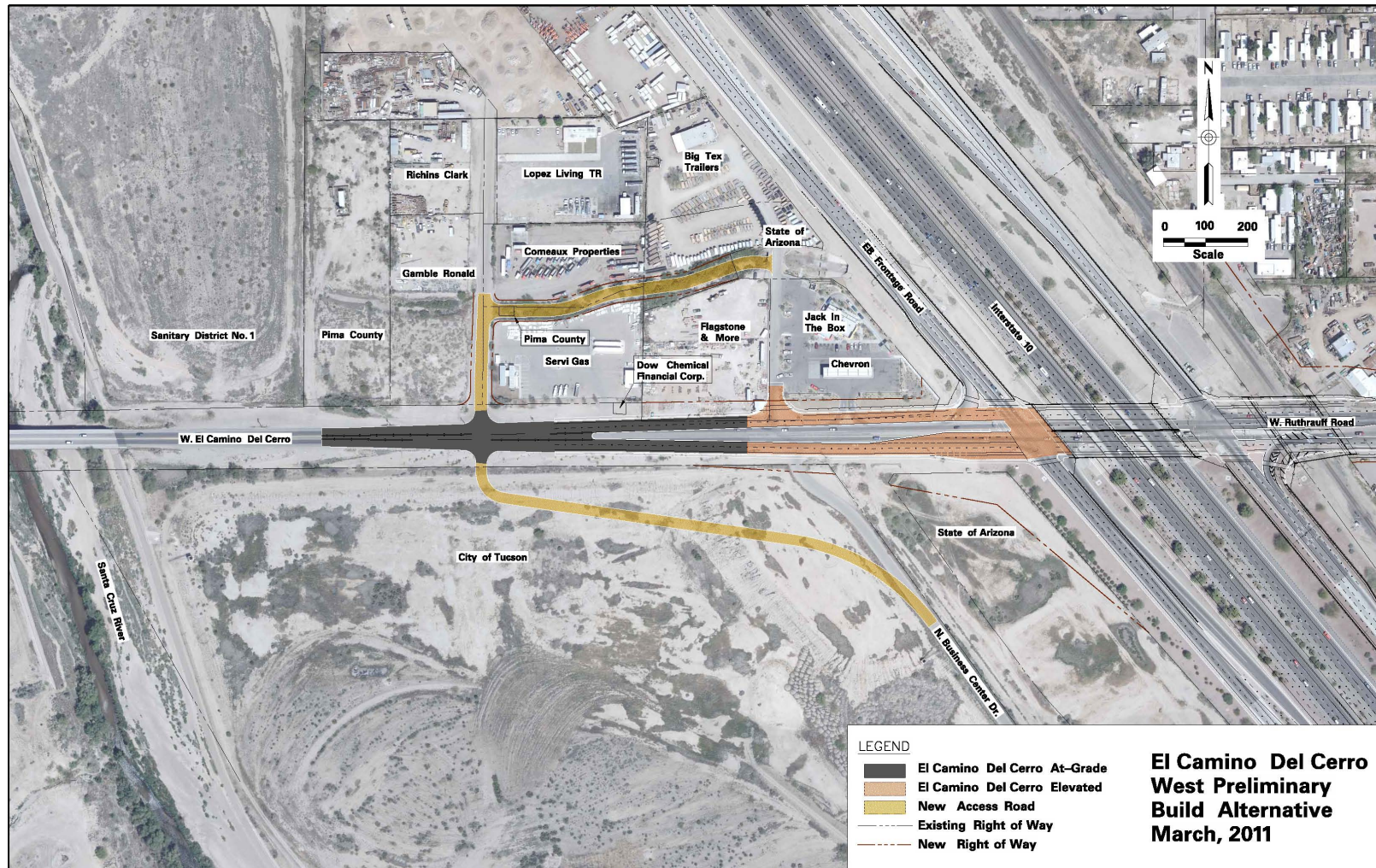




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Access Considerations

West of I-10 at El Camino Del Cerro





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Implementation Considerations

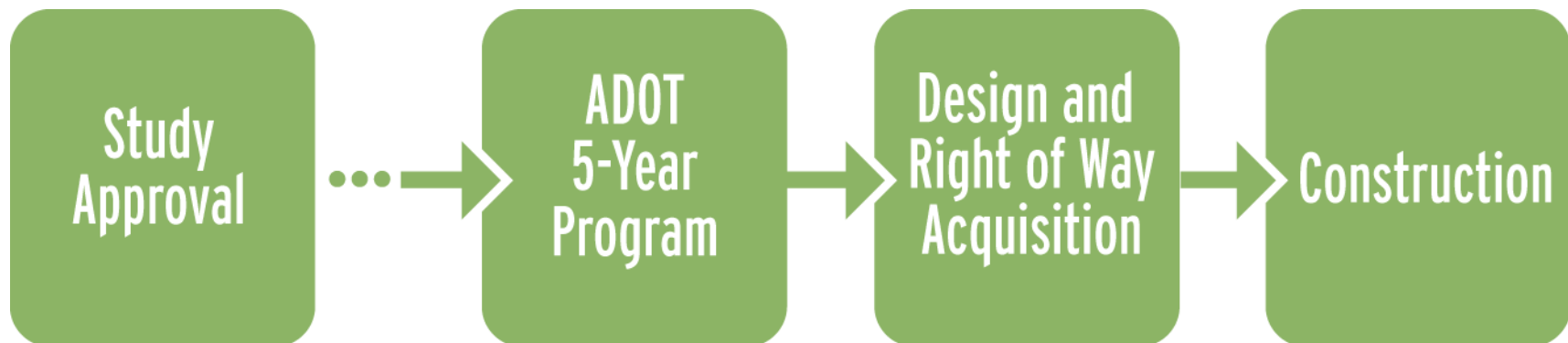
- I-10 from Ruthrauff Road to Prince Road
- I-10 from Tangerine Road to Ina Road Study
- RTA Plan funds the following improvements:
 - Ina Road interchange (2012 – 2016)
 - Silverbell Road corridor (2012 – 2026)
 - Ruthrauff Road interchange (2017 – 2021)
 - Sunset Road extension (2017 – 2021)



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Implementation Considerations

- ADOT project development process:
 - Planning and environmental clearance
 - Design
 - Construction





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Tell Us What You Think!

- Question and comment session
 - Submit questions using question cards
 - After the presentation, speak to project team members at information stations
- Comment forms
- Visit the project website:

www.i10tucsondistrict/itor

Thank you!